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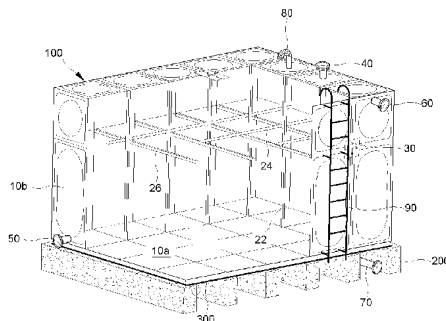
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(54) Title: METAL TANK WITH SYNTHETIC RESIN SHEETS AND UNIT PANEL.



(57) Abstract: The present invention relates to a metal tank with a synthetic resin sheet, which comprises a tank body constructed of a plurality of a first unit panels installed to form a bottom surface of the tank body, each of the first unit panels being made by stacking a synthetic resin sheet, a first metal plate, and a thermal insulation material in order, and a plurality of second unit panels installed to correspond to edges of the first unit panels and to form side surfaces and an upper surface of the tank body, each of the second unit panels being made by stacking the synthetic resin sheet, the first metal plate, the thermal insulation material, and a second metal plate in order; a plurality of stay reinforcement members, respective both ends of which are installed at edges of the first unit panels and edges of the second unit panels constituting a ceil surface of the tank body; a plurality of beam reinforcement members, respective both ends of which are installed at opposing edges of the second unit panels constituting the side surfaces of the tank body, the respective beam reinforcement member being partially welded to the respective stay reinforcement member; and securing means provided to secure the corresponding edges of the adjacent unit panels to the outside wall of the tank body, to thereby accomplish the metal tank, which is harmless to the human body, good in durability and waterproof property without using the high-cost stainless steel, and can increase the productivity of work by using a color steel plate to the second metal plate to thereby remove separate melt plating or painting.



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